

New England Biolabs Certificate of Analysis

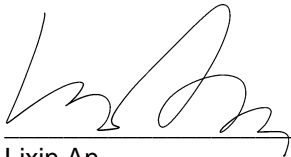
Product Name: BL21 Competent *E. coli*
Catalog Number: C2530H
Lot Number: 10032353
Expiration Date: 11/2019
Storage Temperature: -80°C
Specification Version: PS-C2530H v1.0

| BL21 Competent <i>E. coli</i> Component List | | | |
|--|-------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N3041AVIAL | pUC19 Vector | 10025691 | Pass |
| C2530HVIAL | BL21 Competent <i>E. coli</i> | 10016082 | Pass |
| B9020SVIAL | SOC Outgrowth Medium | 10014596 | Pass |

| Assay Name/Specification | Lot # 10032353 |
|---|----------------|
| Antibiotic Sensitivity (Ampicillin) 15 µl of untransformed BL21 Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C. | Pass |
| Antibiotic Sensitivity (Chloramphenicol) 15 µl of untransformed BL21 Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C. | Pass |
| Antibiotic Sensitivity (Kanamycin) 15 µl of untransformed BL21 Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C. | Pass |
| Antibiotic Sensitivity (Spectinomycin) 15 µl of untransformed BL21 Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C. | Pass |
| Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed BL21 Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C. | Pass |

| Assay Name/Specification | Lot # 10032353 |
|--|----------------|
| <p>Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.</p> | Pass |
| <p>Phage Resistance (φ 80) 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate does not support plaque formation by phage φ 80 after incubation for 16 hours at 37°C.</p> | Pass |
| <p>Transformation Efficiency 50 µl of BL21 Competent E. coli cells were transformed with 100 pg of pUC19 DNA using the transformation protocol provided. Incubation overnight on LB-Ampicillin plates at 37°C resulted in >1 x 10⁷ cfu/µg of DNA.</p> | Pass |

This product has been tested and shown to be in compliance with all specifications.



Lixin An
Production Scientist
27 Jul 2018



Corey Rabeau
Packaging Quality Control Inspector
13 Dec 2018